

ANNUAL REPORT OF OPERATIONS FOR YEAR <u>2014</u> Idaho Aquaculture Permit	
I. Facility Name: Niagara Springs Fish Hatchery NPDES # IDG-130013	
Operator Name (Permittee): Idaho Department of Fish and Game Jerry Chapman, Hatchery Manager II Phone: 208-536-2283	
Address: Niagara Springs Hatchery 2131 Niagara Springs Road Wendell, Idaho 83355 Fax: 208-536-5137 E-Mail: Niagara@magiclink.com	
Owner Name (if different from operator): Idaho Power Company Paul Abbott, Hatchery Biologist Phone: 208-388-2353 Fax: 208-388-5880 Email: pabbott@idahopower.com	
II. Annual Production:	Harvestable weight produced in the year <u>422,662</u> pounds
III. Food Used:	Number of pounds of food fed to the fish during the maximum month: <u>March - 86,830</u> pounds
IV. Noncompliance Summary: Include description & dates of noncompliance, the reasons for such incident, and the steps taken to correct the problem. Attach additional pages, if necessary. <p>We had one possible noncompliance in February, 2014. Please see certified letters from March 4 and March 21 which explained this possible noncompliance. Basically, February sampling methods changed from the 24-hour composite samples we have used for 20 years to 8-hour grab samples because our automated water samplers were broken. The 8-hour sampling technique probably resulted in higher phosphorus results on paper (see aforementioned letters) because of the sampling technique, not an actual violation of phosphorus output. April sampling with new automated samplers over a 24-hour period resulted in phosphorus levels one-third lower than the February sample levels, and well under our permit allocation. This data is consistent with sample testing we conducted several years earlier which showed 8-hour sample phosphorus levels to be twice as high as 24-hour sample levels.</p>	
V. Best Management Practices (BMP) Plan BMP Plan has been reviewed this year. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> BMP Plan fulfills the requirements set forth in the permit: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Summarize changes in the BMP Plan since last annual report: The new BMP was developed for the new permit for 2007 and still fulfills the requirements of the new permit for 2014. The Niagara Springs BMP and QA/QC were updated again in January, 2015, read, and signed by all permanent and temporary personnel. The new plans reflect ongoing hatchery renovations completed in 2014 and are available at the hatchery.	
VI. Land application of solids and/or irrigation with wastewater	

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Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) See attachments for application sites and location pictures.

Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
5/7/14	Cleaned west settling basin. Spread on old corn field south of canal on east end of WMA (Map available at hatchery)	N/A	20,000 gallons of fish waste and water dilution (50%)
5/9/14	Cleaned east settling basin. Spread on old corn field south of canal on east end of WMA (Map available at hatchery)	N/A	20,000 gallons of fish waste and water dilution (50%)
4/25/14	Cleaned old settling pond. Put on pile by bone-yard south of houses for garden	2 cubic yards of dried material (sand, silt and fish waste)	N/A
10/23/14	Cleaned old settling pond. Put on pile by bone-yard south of houses for garden	1.5 cubic yards of dried Material (sand, silt and fish waste)	N/A
10/30/14	Cleaned settling basins and spread on field just north of canal on east side of WMA (Map available at hatchery.)	N/A	24,000 gallons of fish waste and water dilution (50%) (pictures available at hatchery)
Yearly Total		3.5 cubic yards	64,000 gallons of diluted solution of fish waste and water.

VII. Offline Settling Basin Discharge Frequency (generally)

10 hours (3 times) per year #hours/day #days/wk #months/year or Other
 Offline basin flow less than 1% (small discharge) and less than normal reported phosphorus discharge (see attached small discharge paperwork)

VIII. Chemical Usage (including pesticides and drugs)

Chemical	Date or # days used	Maximum concentration in effluent (actual or estimated)
<u>All chemical use files are in annual report file at hatchery</u>		
Iodine	Weekly/Monthly	All Iodine is neutralized prior to discharge or is tied up in organic matter in our settling ponds. No iodine is discharged.
Wescodine	Monthly	All Iodine is neutralized prior to discharge or is tied up in organic matter in our settling ponds. No iodine is discharged.
Sodium-thiosulfate	Monthly	2.23 ppm (max) used to neutralize chlorine after truck and tank disinfection this past year.
Chlorine	Weekly	All chlorine is neutralized prior to discharge on land or water, therefore, no chlorine is discharged.
MS222	Biannually- Jan & Aug	MS222 is photosensitive so is dispersed on dry ground when discharged.
Acid AB-73	Up to 4 X per year	Acid is neutralized by high pH (calcium carbonate) of flow-through settling basins prior to discharge in receiving waters.
Furunculosis-vaccine	10 days in Sept	0.49 ppm if no vaccine is absorbed by fish.
Oxytetracycline	One 10-day trtmt of all rwys-Sept . Other trtmt of single rwy as listed: <u>10-day Treatments</u> Vat 8 6/17-27 Vat 12 6/17-27 Rwy 2 8/29-9/7 Rwy 1, 3-19 9/9-9/19	0.011 ppm (max)—Sept, (if none is absorbed into body); See annual report file. Other uses on dates listed on left, but in smaller ppm outgoing. (More info in Chemical Use file under medicated feed at hatchery.)
Salt	July-December	84.7 ppm (max) for up to 60 minutes to kill algae (This is figured if all salt went through the settling ponds in 60 minutes)
Virkon	All year long	Footbaths—disposed of on ground. Neutralized by sunlight. Not discharged to receiving water

IX. Fish Importation, Transport, and Release PermitsNumber of permits issued by Idaho Department of Fish and Game during the year: 1

For which species?

A-run summer steelhead:

- IDFG permit from NOAA Fisheries to transport/release live fish - HQ email-1/23/14 (in file at hatchery)

Other required permits:

- ODFW permit to release smolts at Hells Canyon Dam - # 14-0027 (in hatchery file)
- ODFW permit to transport live fish and eggs - # 14-0023 (in hatchery file)
- ODFW permit to transport live fish and eggs - # 14-0026 (in hatchery file)
- ISDA Invasive Species exempt Species Transport Permit - # 031014-IDFG (in hatchery file)

X. Inspections and Repairs for production and wastewater treatment systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
5/8&9/2014	No repairs needed to settling ponds	Flow-through settling ponds were inspected after cleaning and prior to startup for proper use. No repairs needed.
'13 new construction	Raceway repairs as listed at right	Every other wall on raceways was replaced, floors polished, and new keyways installed during new construction in '13-'14. Traveling screens were installed on outlets to reduce TSS load to creek and Rimview.
10/30/2014	No repairs needed on concrete structure, but replaced 3 damboards->	Flow-through settling ponds were inspected after cleaning and prior to startup for proper use. Replaced 3 damboards in keyway going to old settling pond

XI. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

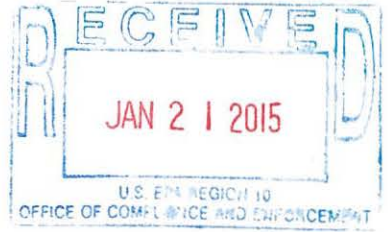
Signature: 

Title/Company:
Hatchery Manager II
Idaho Department of Fish and Game

Print Name: Jerry T. Chapman

Date: 1/12/14

***CERTIFICATION of COMPLETION
of the
ANNUAL REPORT of OPERATIONS***

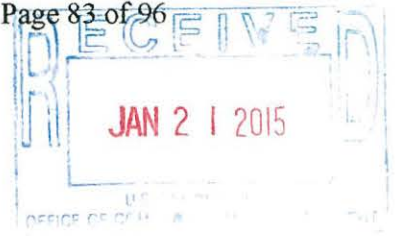


***NIAGARA SPRINGS HATCHERY
NPDES PERMIT # IDG-13-0013***

***The Annual Report of Operations has been written and reviewed for
Niagara Springs Fish Hatchery. The Annual Report and supporting
information is available to employees, IDEQ, and EPA personnel upon
request.***

Facility Operator/Manager

***Submitted 1/16/15, which is before the required postmarked
deadline of January 20, 2015 .***



Idaho Aquaculture
Best Management Practices Plan
(BMP Plan)
Certification

Facility Name: Northern Springs Hatchery
NPDES Permit Number: 130013


The BMP Plan is complete and is available upon request to EPA and IDEQ.

The BMP Plan is being implemented by trained employees.

The BMP Plan has been reviewed and endorsed by the facility manager.

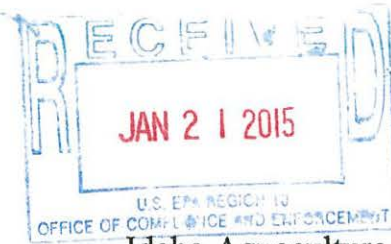
The individuals responsible for implementation of the BMP Plan have been properly trained.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: <u>Hatchery Manager II</u> <u>ID Dept. of Fish & Game</u>
Print Name: <u>JERRY CHAPMAN</u>	Date: <u>1/8/15</u>

An existing discharger must submit this certification within 90 days of the effective date of this permit. For a new permittee, this certification must be submitted no later than the written Notice of Intent to be covered under this permit. The certification must be submitted to EPA and to the responsible IDEQ office (§I.C.1 of the permit).

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Idaho Aquaculture
Quality Assurance Plan
(QA Plan)
Certification

Facility Name: Niagara Springs Hatchery
NPDES Permit Number: 130013


The QA Plan is complete and is available upon request to EPA and IDEQ.

The QA Plan is being implemented by trained employees.

The QA Plan has been reviewed and endorsed by the facility manager.

The individuals responsible for implementation of the QA Plan have been properly trained.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: <u>Hatchery Manager & Id. Dept. of Fish & Game</u>
Print Name: <u>JERRY CHAPMAN</u>	Date: <u>1/8/15</u>

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Niagara Springs Fish Hatchery
2131 Niagara Springs Road
Wendell, Idaho 83355
(208) 536-2283

October 29, 2014

U.S. Environmental Protection Agency
Region 10, OWW-130
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101

Subject: Notice of small discharge flow measurement

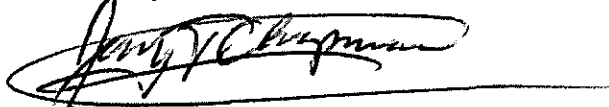
Dear Sir:

In accordance with our Authorization to Discharge under the National Pollutant Discharge Elimination System (NPDES) permit number 130013, effective December 1, 2007, in following paragraph three, section II.D.3.c of said document, Niagara Springs Fish Hatchery (NSFH) monitored the flow of the small discharge once per year. The effluent quality of the discharge was better than that of normal discharges from the hatchery based on original laboratory analysis, therefore no further effluent samples were taken.

As per our NSFH BMP, NOI, and QA/QC plans, water flows from the small discharge must be measured and reported to EPA once per year. In order to meet this requirement of our NSFH BMP, NOI, and QA/QC plans, we are hereby reporting the flow during the discharge event of October 29 as 0.4 cfs, which is less than one percent of the hatchery flow of 60 cfs, for this several-hour period of small discharge. Water flows were measured at 1 inch or less over the damboards, which is less than 1% of the total flow of 60 cfs for October. Damboards were placed in the old decanting basin prior to filling and water drained slowly through the damboards over several days to drain this old settling pond.

Please advise us if you require any additional information. Again, this letter serves to fulfill our requirements for our NPDES permit and our NSFH BMP, NOI, and QA/QC plans. I can be reached by phone or email at Niagara Springs Hatchery.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerry Chapman", is written over a horizontal line.

Jerry Chapman
Hatchery manager 2

CC: Mr. Gary Byrne, IDFG
Mr. Rick Lowell, IDFG
Mr. Paul Abbott, IPC
Twin Falls IDEQ
Mr. Brian Thompson, Niagara Springs, IDFG

Niagara Springs Fish Hatchery
2131 Niagara Springs Road
Wendell, Idaho 83355
(208) 536-2283

May 12, 2014

U.S. Environmental Protection Agency
Region 10, OWW-130
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101

Subject: Notice of small discharge flow measurement

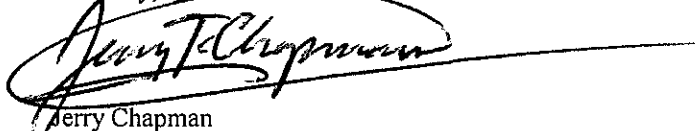
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As per our NSFH BMP, NOI, and QA/QC plans, water flows from the small discharge must be measured and reported to EPA once per year. In order to meet this requirement of our NSFH BMP, NOI, and QA/QC plans, we are hereby reporting the flow during the discharge events of May 6th and 8th as 0.4 cfs, which is less than one percent of the hatchery flow in May, for this several-hour period of small discharge. Water flows were measured at 1 inch or less over the damboards, which is less than 1% of the total flow of 50 cfs during May. Damboards were placed in the old decanting basin prior to filling and water drained slowly through the damboards over several days to drain this old settling pond.

Please advise us if you require any additional information. Again, this letter serves to fulfill our requirements for our NPDES permit and our NSFH BMP, NOI, and QA/QC plans. I can be reached by phone or email at Niagara Springs Hatchery.

Sincerely,



Jerry Chapman
Hatchery manager 2

CC: Mr. Gary Byrne, IDFG
Mr. Rick Lowell, IDFG
Mr. Paul Abbott, IPC
Twin Falls IDEQ
Mr. Brian Thompson, Niagara Springs, IDFG